

Difference Engine

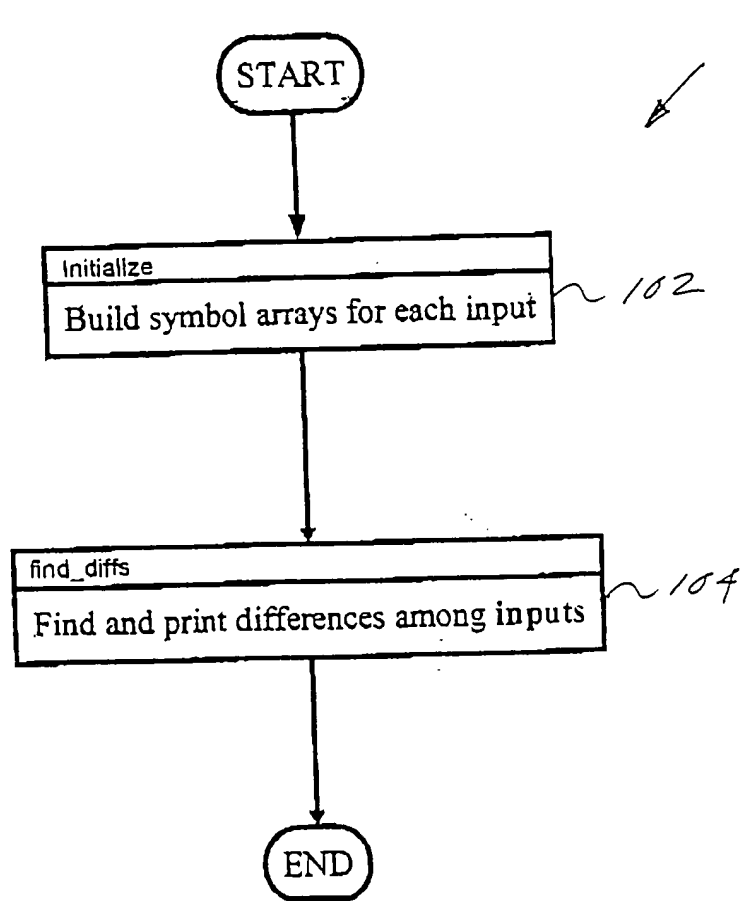


FIG. 1

Initialize

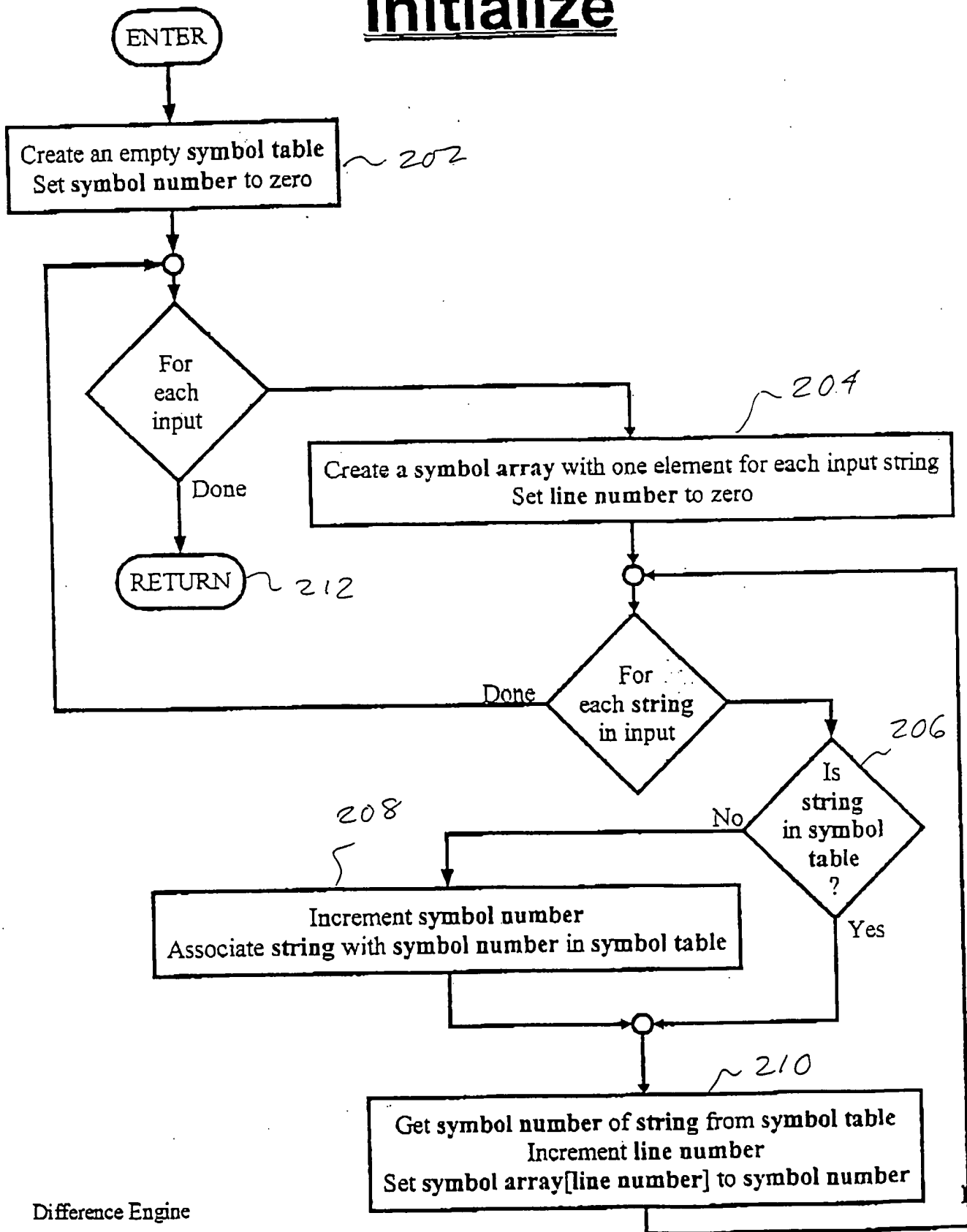
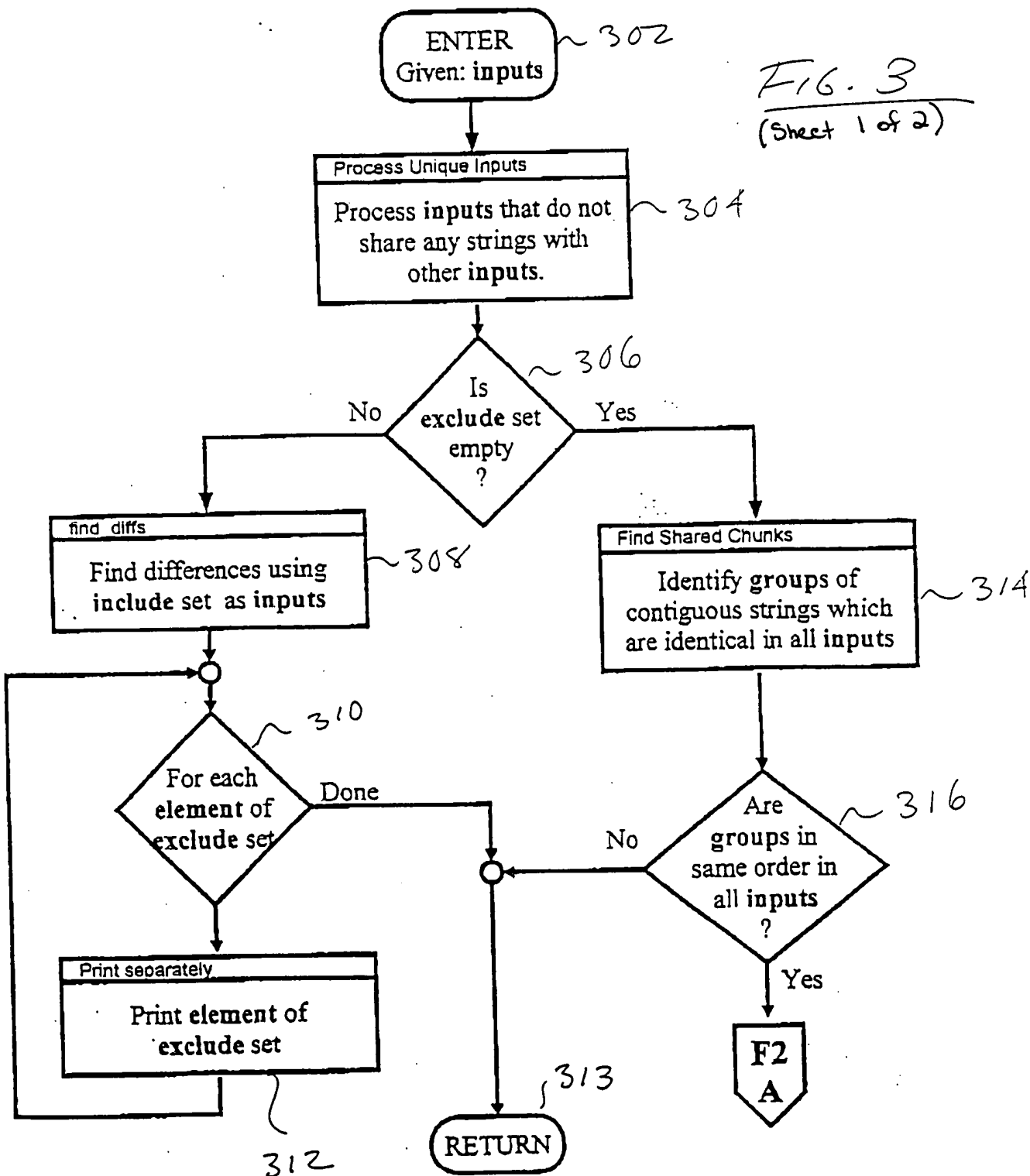


FIG. 2

find diffs



```

graph TD
    Start([F2  
A]) --> 318{Are there  
any groups}
    318 -- No --> 320[Perform line-by-line  
comparison of inputs]
    318 -- Yes --> 322{Do any  
inputs have strings  
before the first  
group}
    322 -- Yes --> 324[Find differences among that  
subset of the inputs which  
consists of the strings which  
precede the first group in  
each input]
    322 -- No --> 326{For each  
group}
    324 --> 326
    326 --> 328[Print Group Contents  
Print the contents of group]
    328 --> 330[Find differences among that subset  
of the inputs which consists of the  
strings between this group and  
the next group or end of input]
    330 --> 326
    326 -- Done --> 331(( ))
    320 --> 331
    331 --> RETURN([RETURN])

```

(Sheet 2 of 2)

Process Unique Inputs

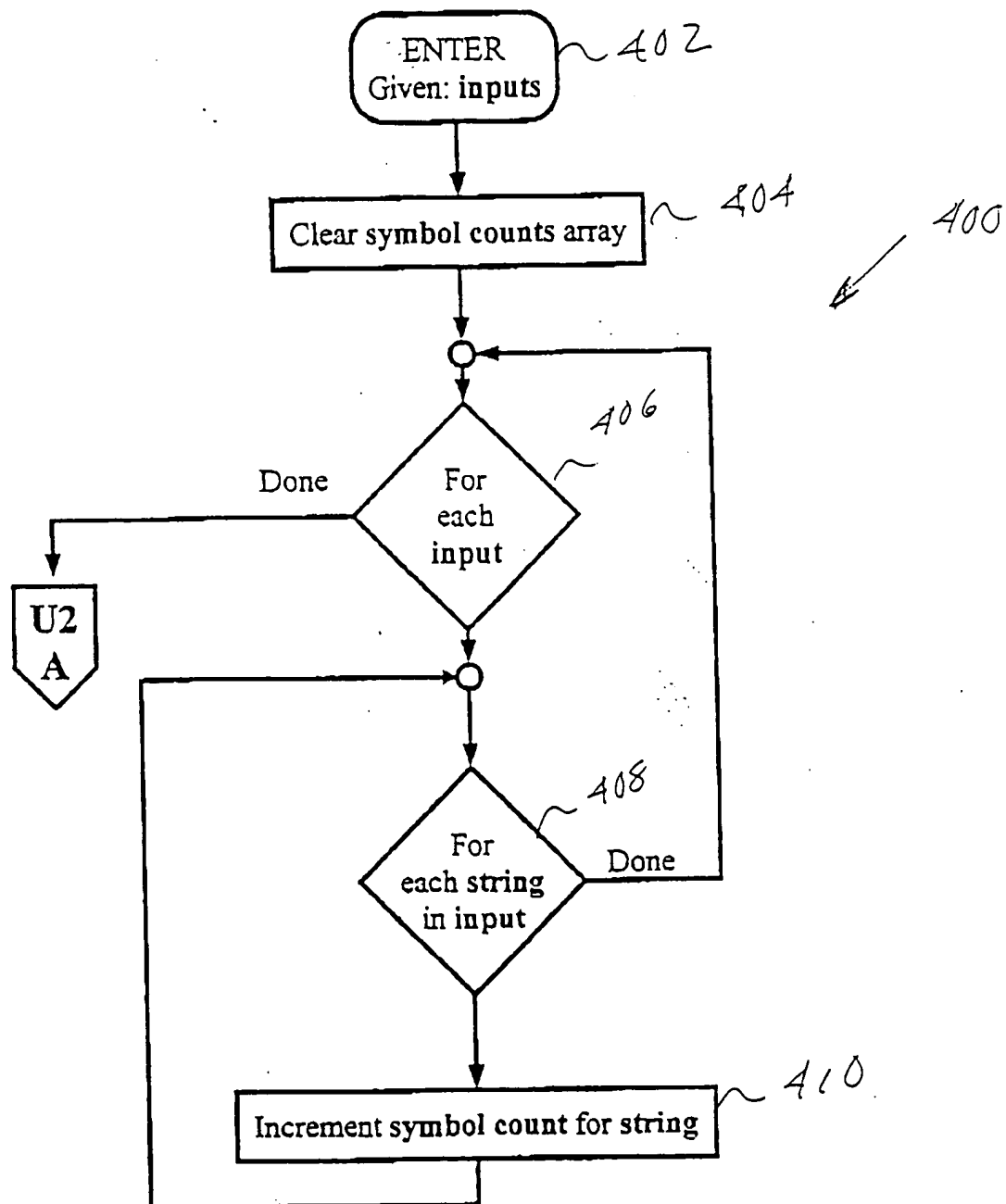


FIG. 4
(Sheet 1 of 2)

FIG. 4

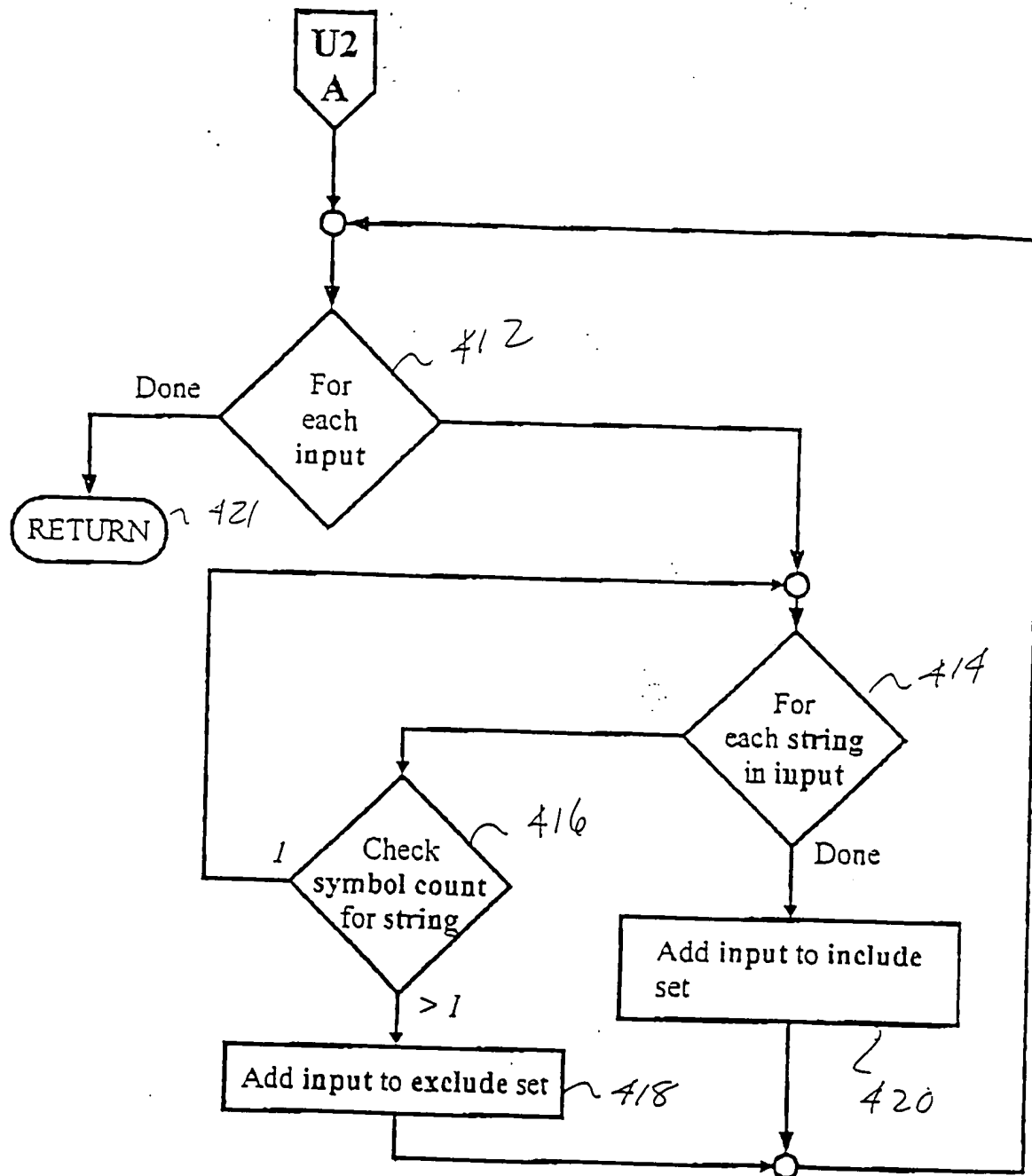


FIG. 4
(Sheet 2 of 2)

Non-group Compare

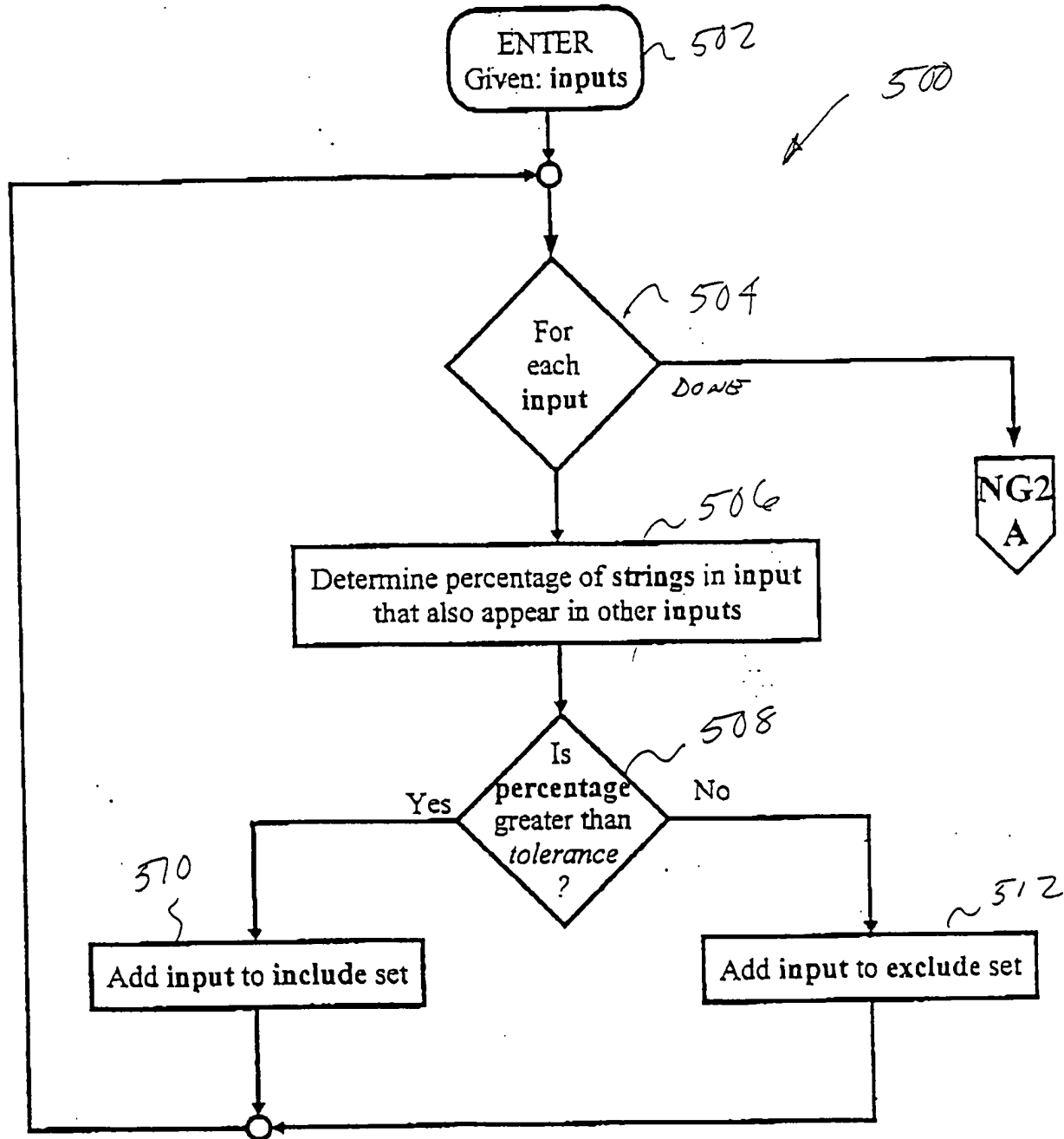


FIG. 5
(Sheet 1 of 3)

FIG. 5
(Sheet 2 of 3)

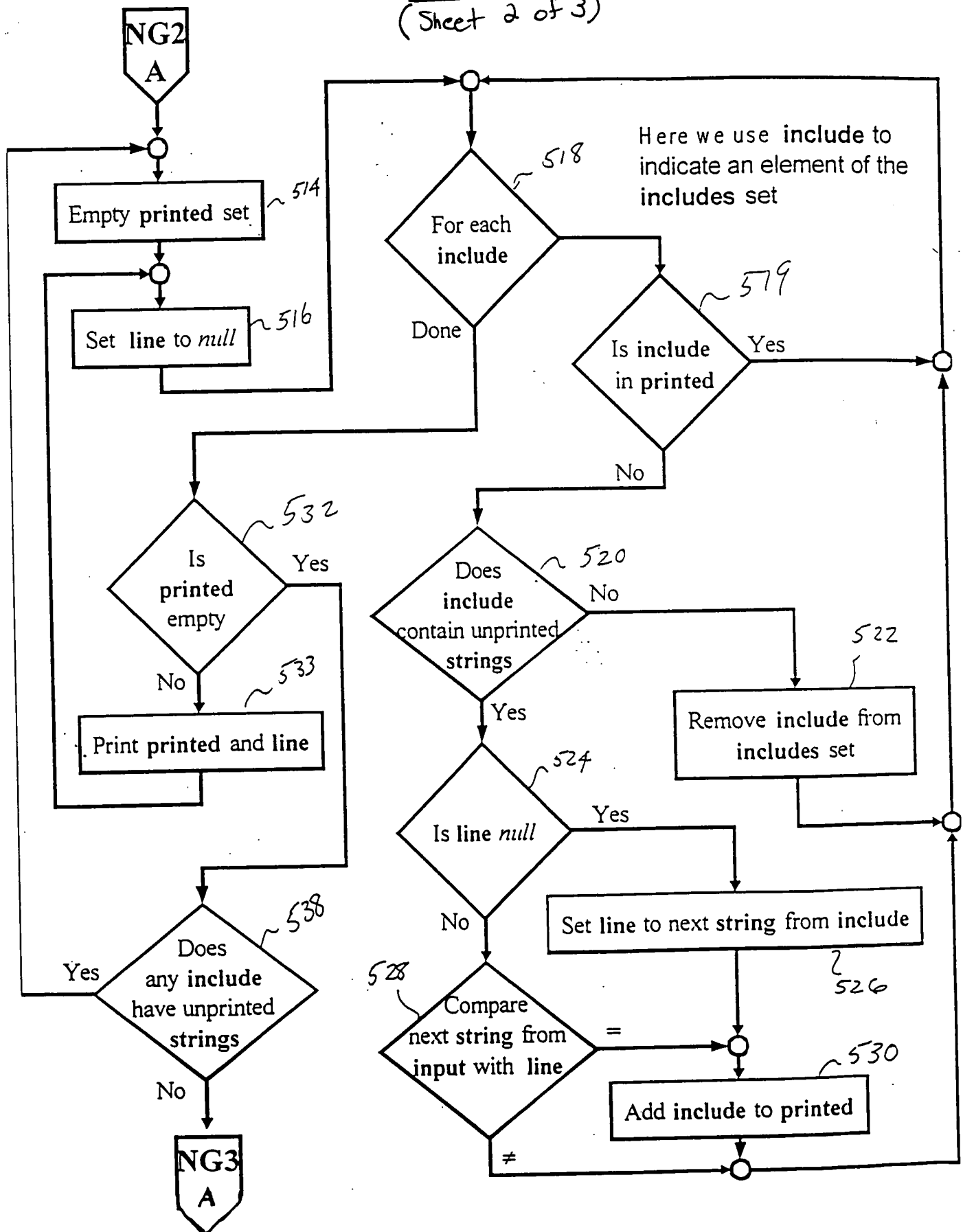


FIG. 5 (Sheet 2 of 3)

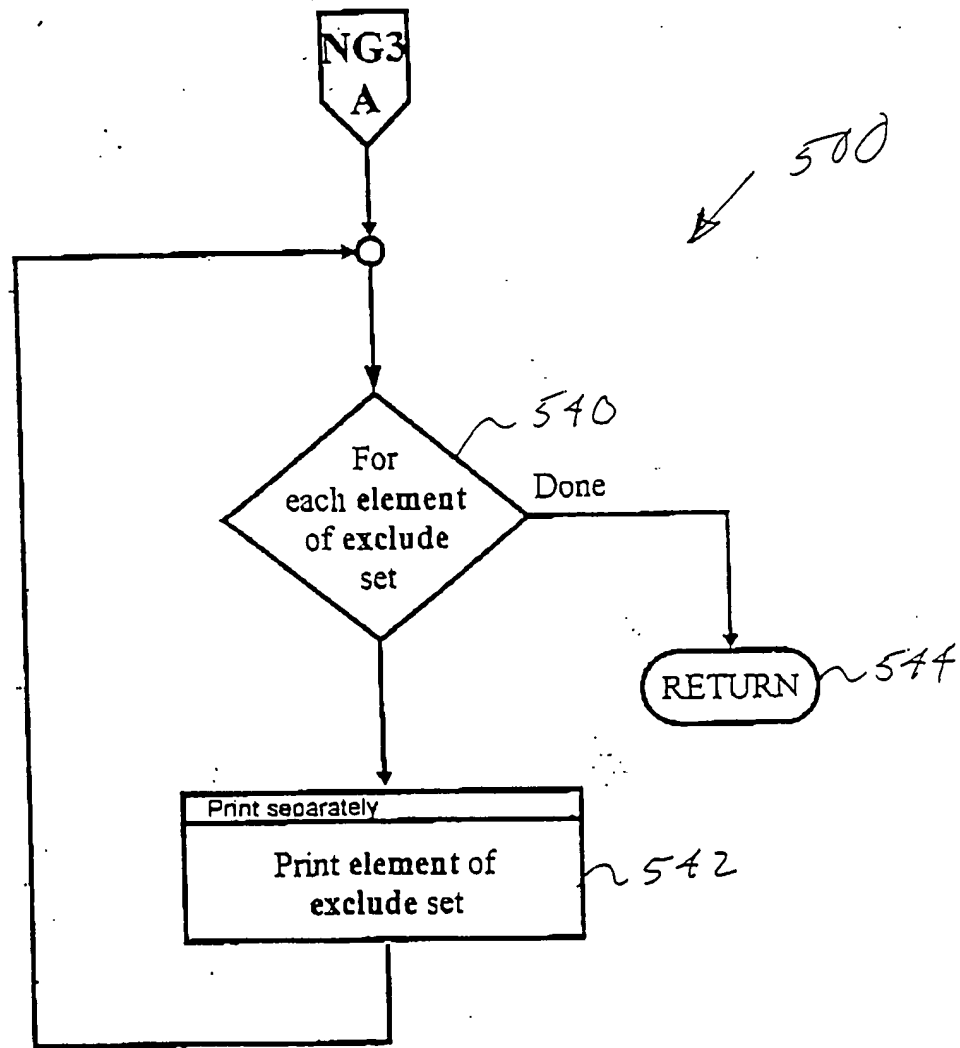


FIG. 5
(Sheet 3 of 3)

Print Separately

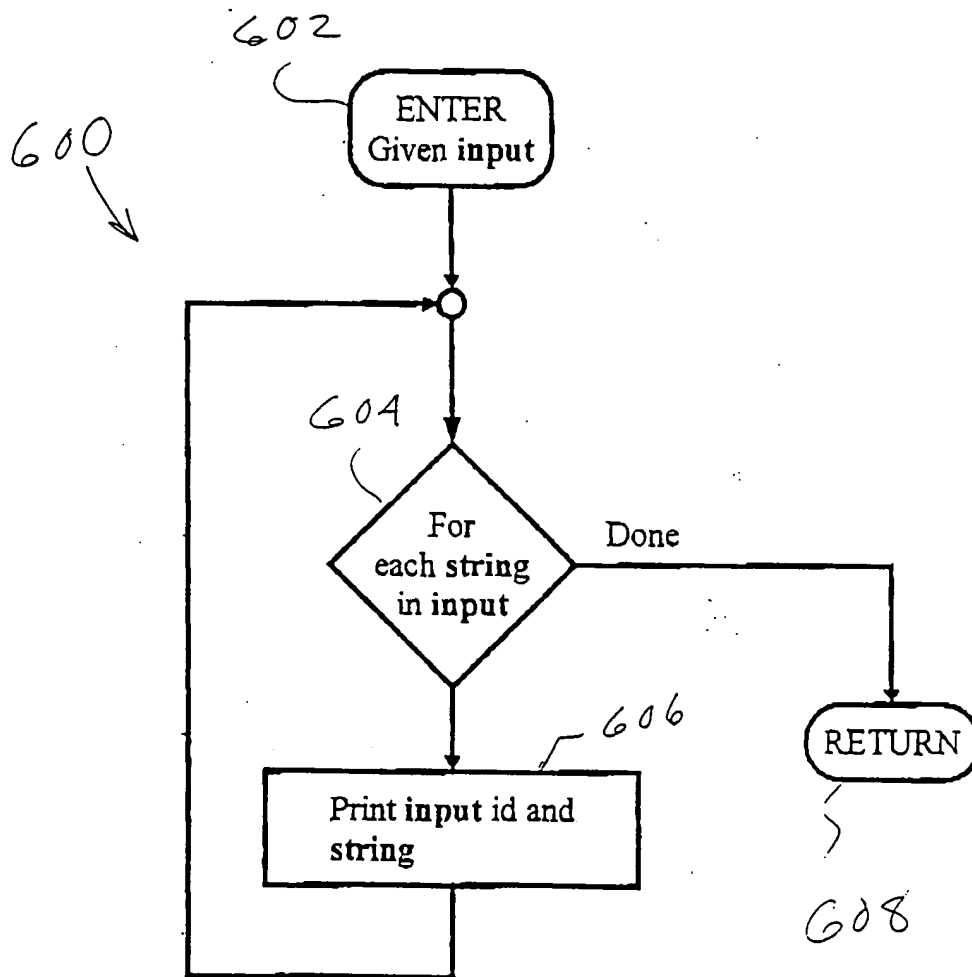


FIG. 6

Print Group Contents

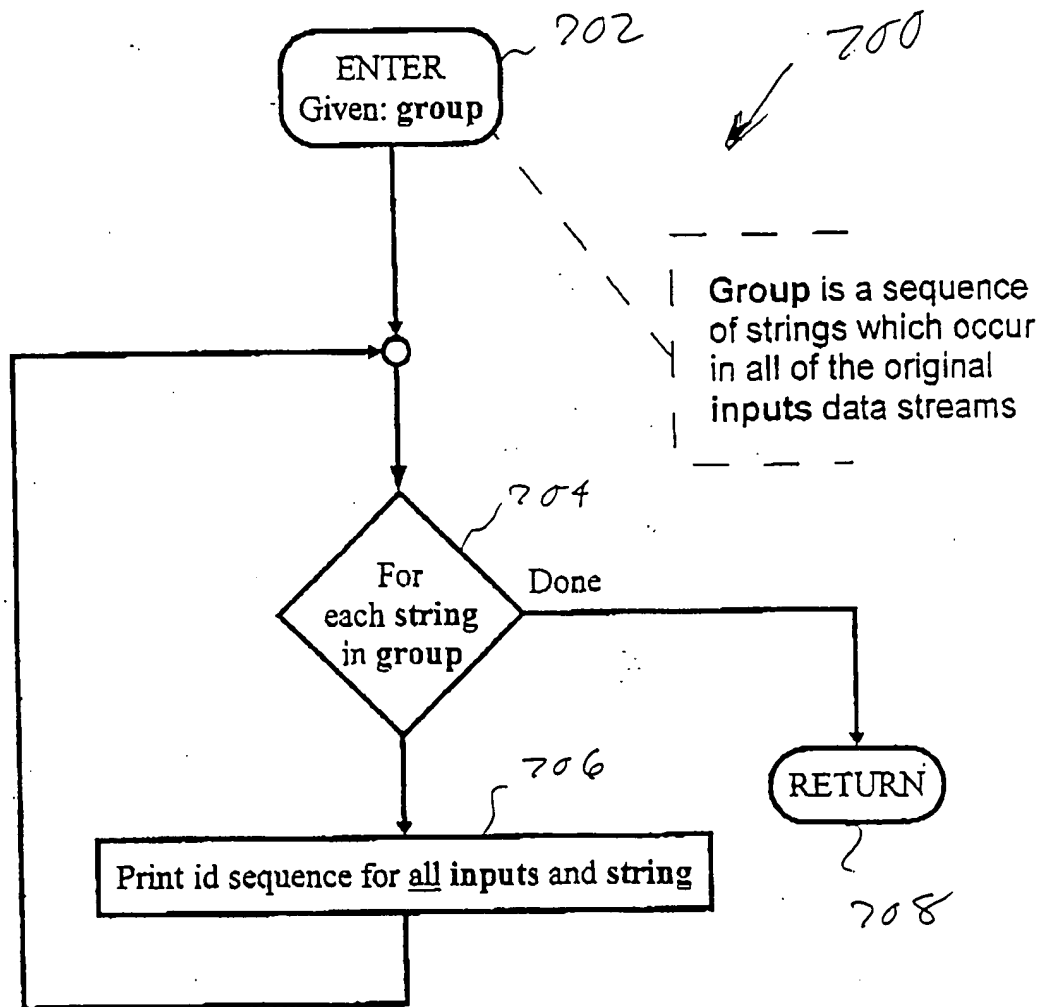


FIG. 7

Find Shared Chunks

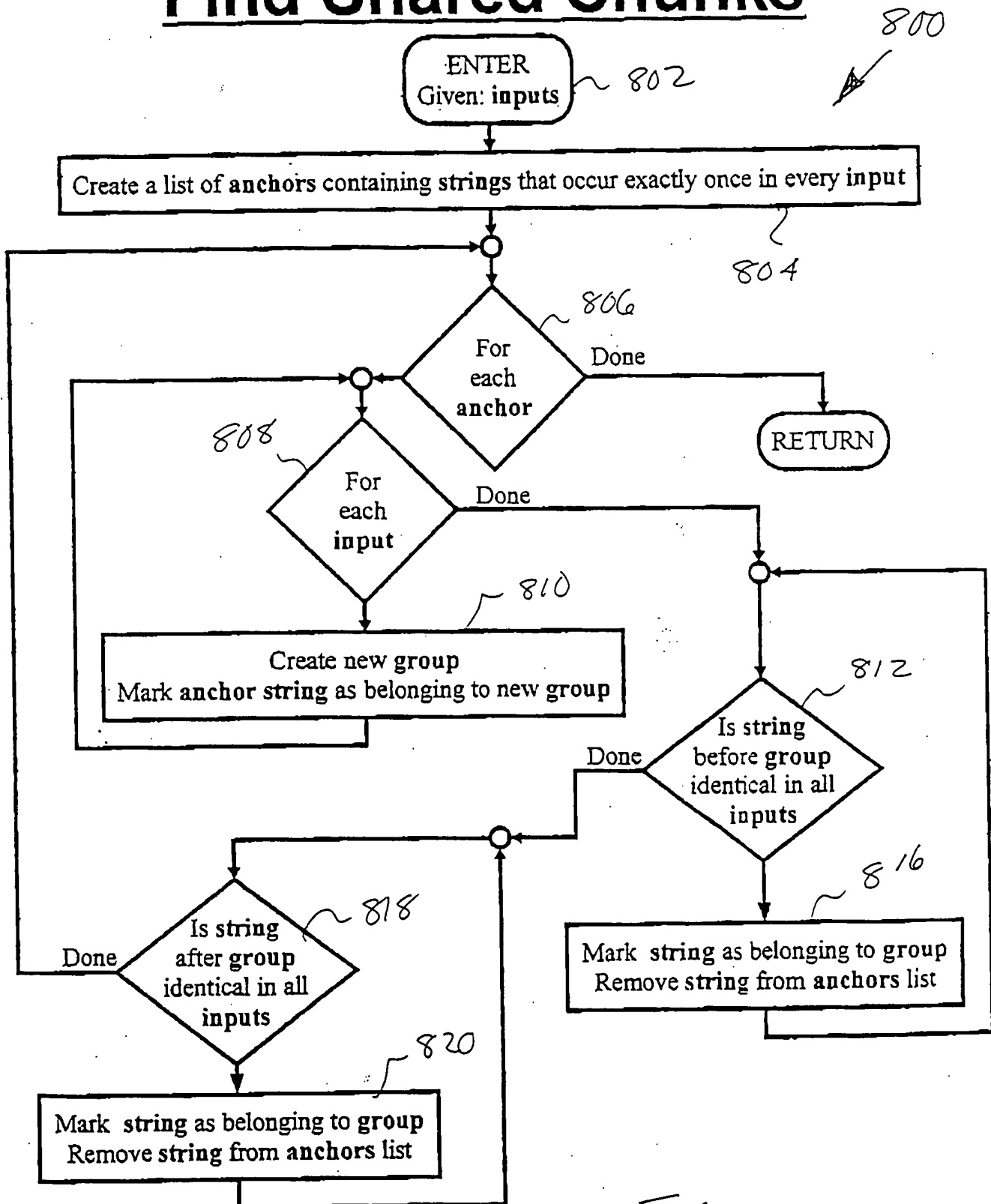


Fig. 8

F. 6.9

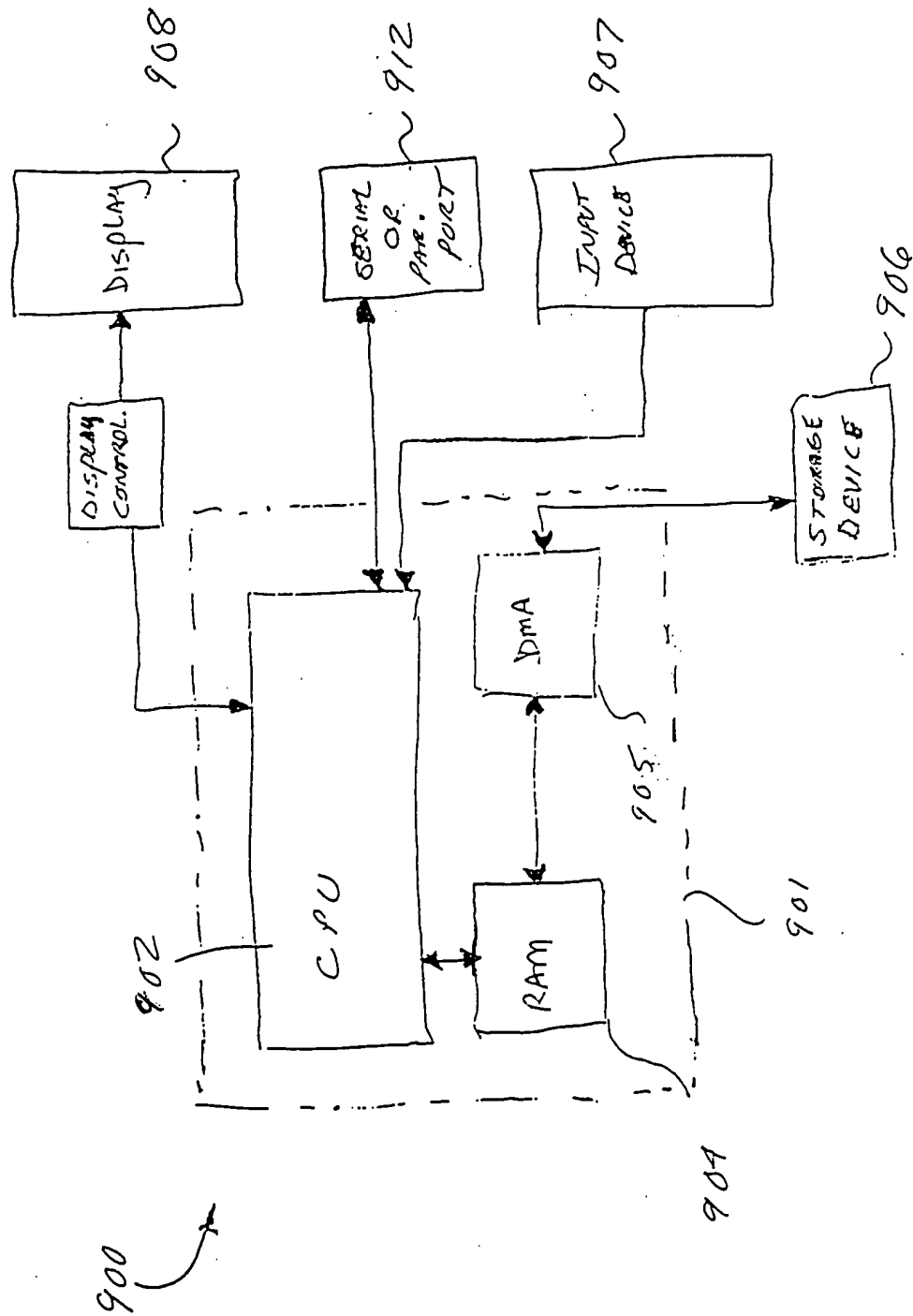


Fig. 10

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